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FIGURE 1A

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FIGURE 1B

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FIGURE 1C

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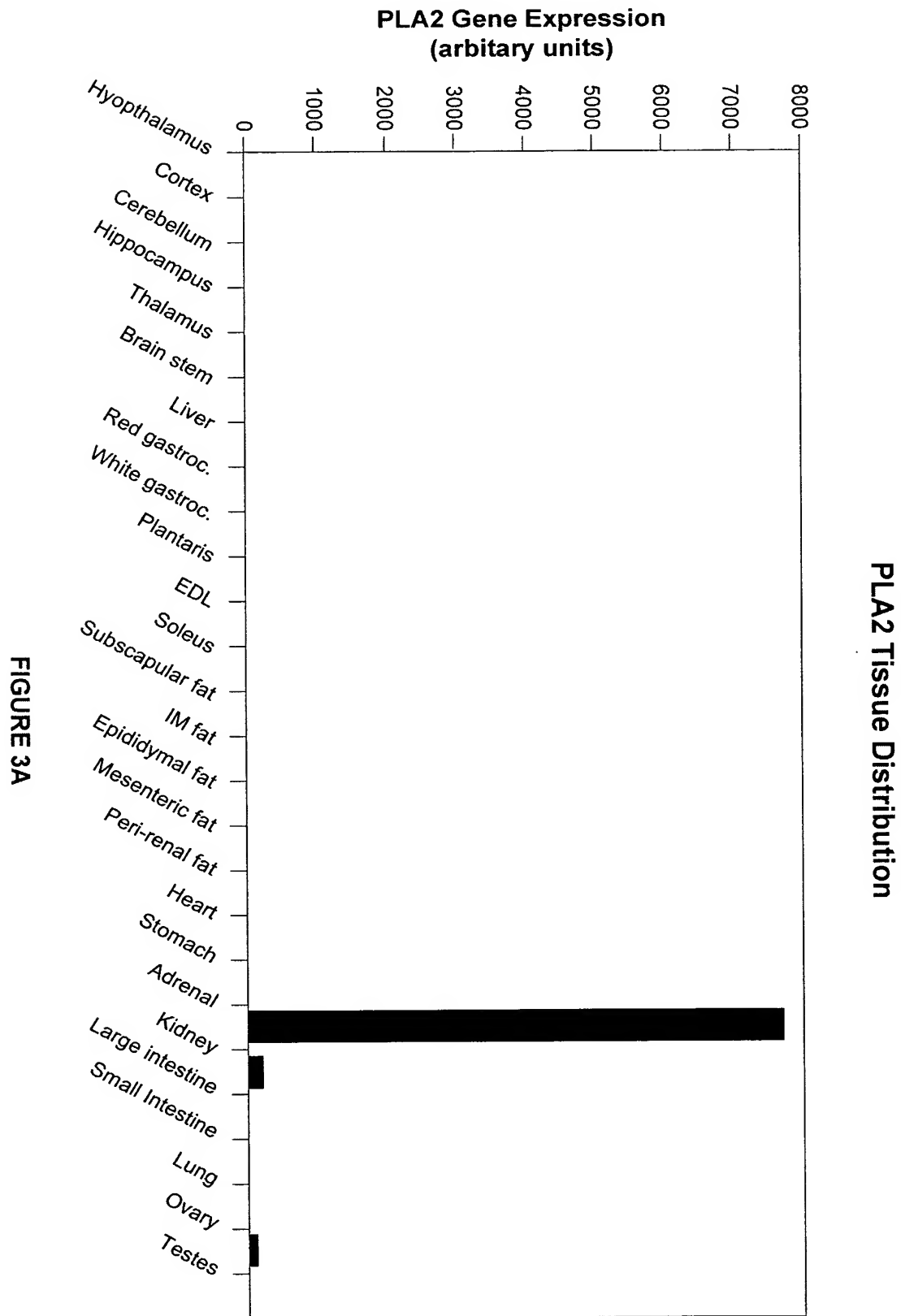
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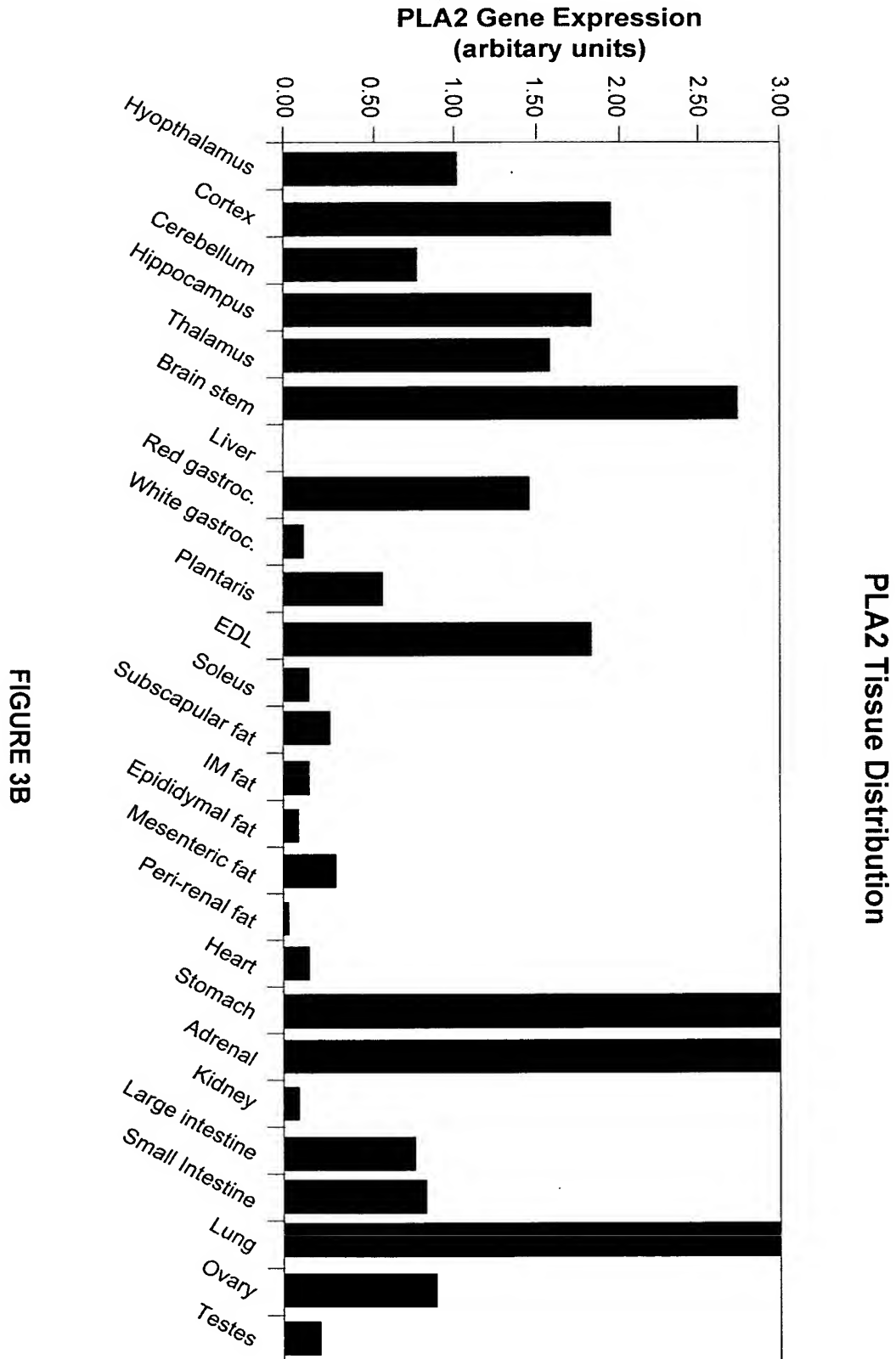
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FIGURE 1D

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FIGURE 2





PLA2 Gene Expression in Four, Lean, Healthy *Psammomys obesus* Animals

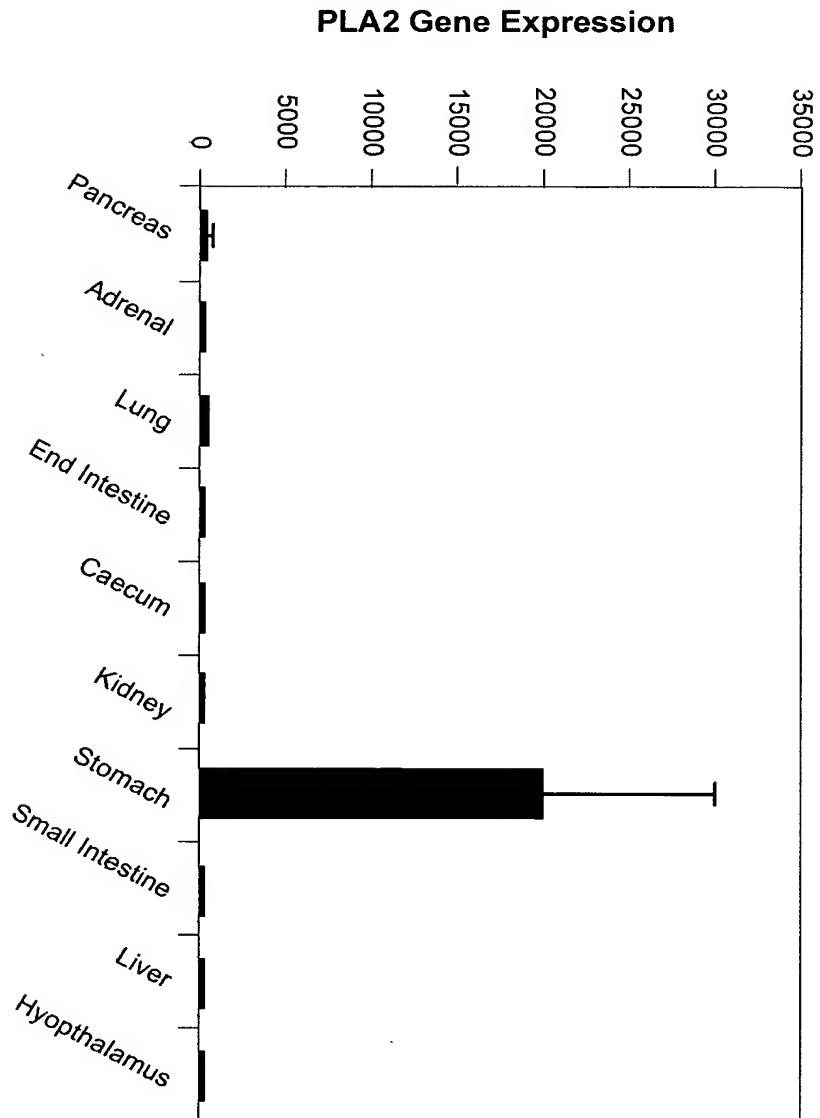


FIGURE 3C

PLA2 Gene Expression in Four, Lean, Healthy *Psammomys obesus* Animals

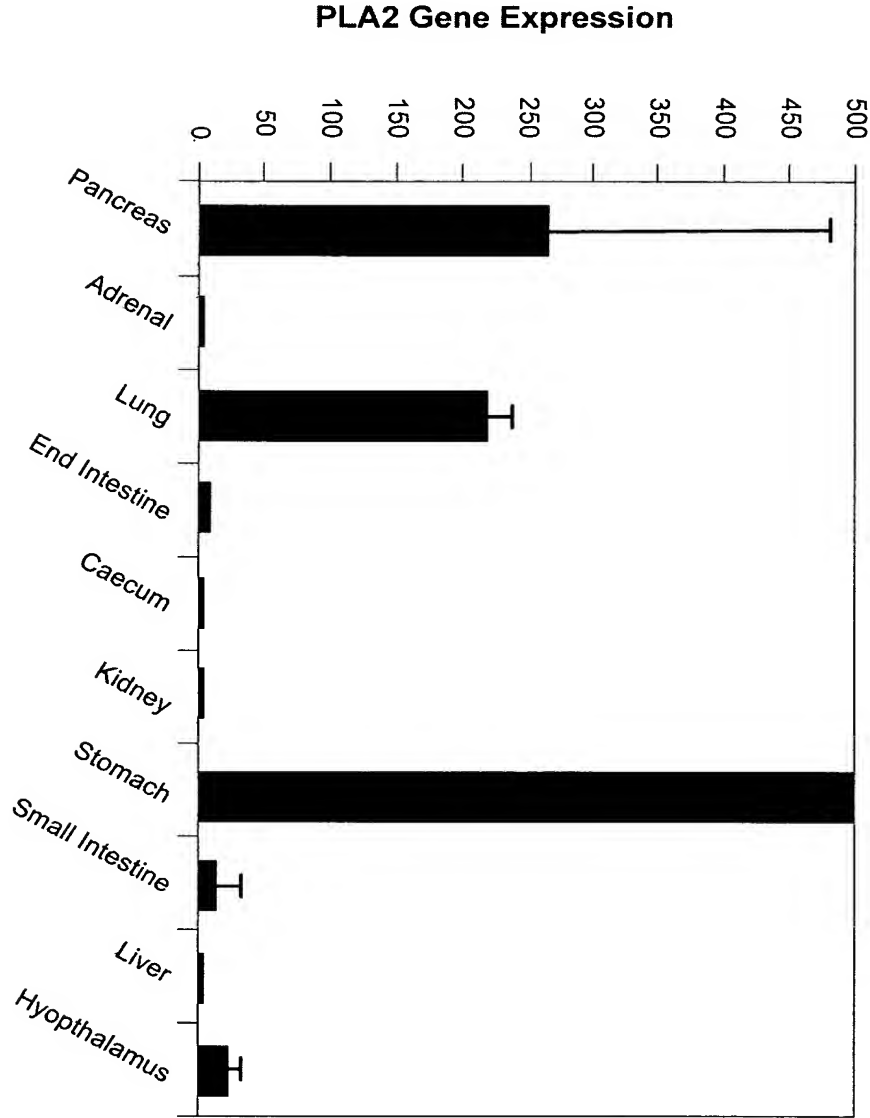


FIGURE 3D

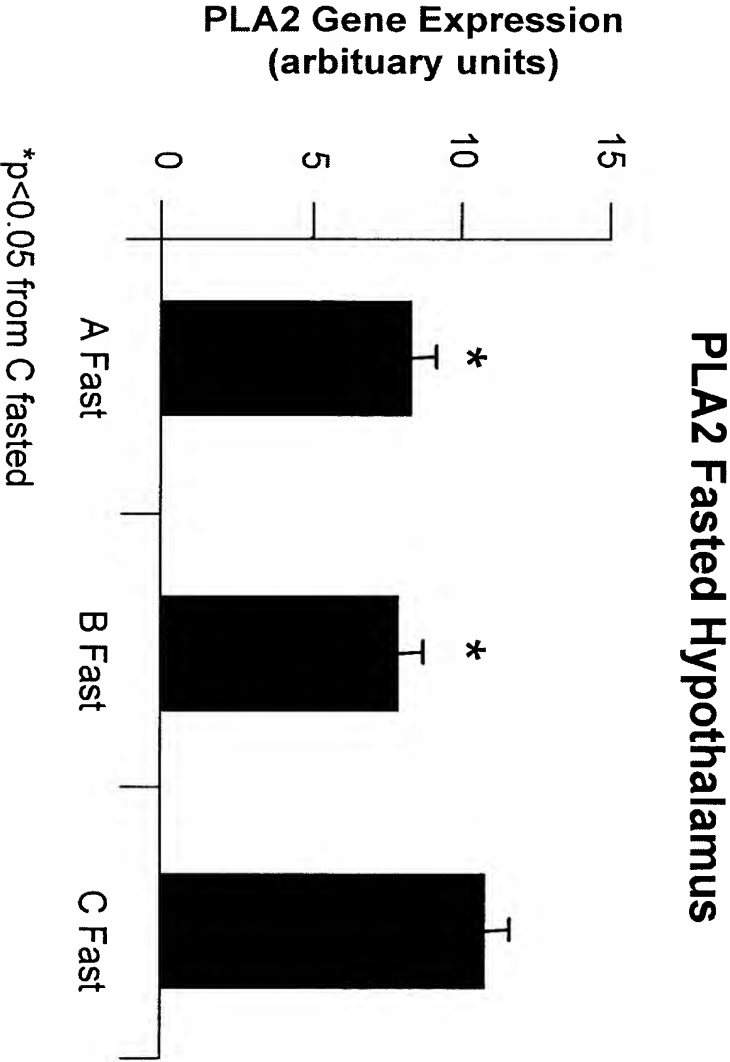


FIGURE 4A

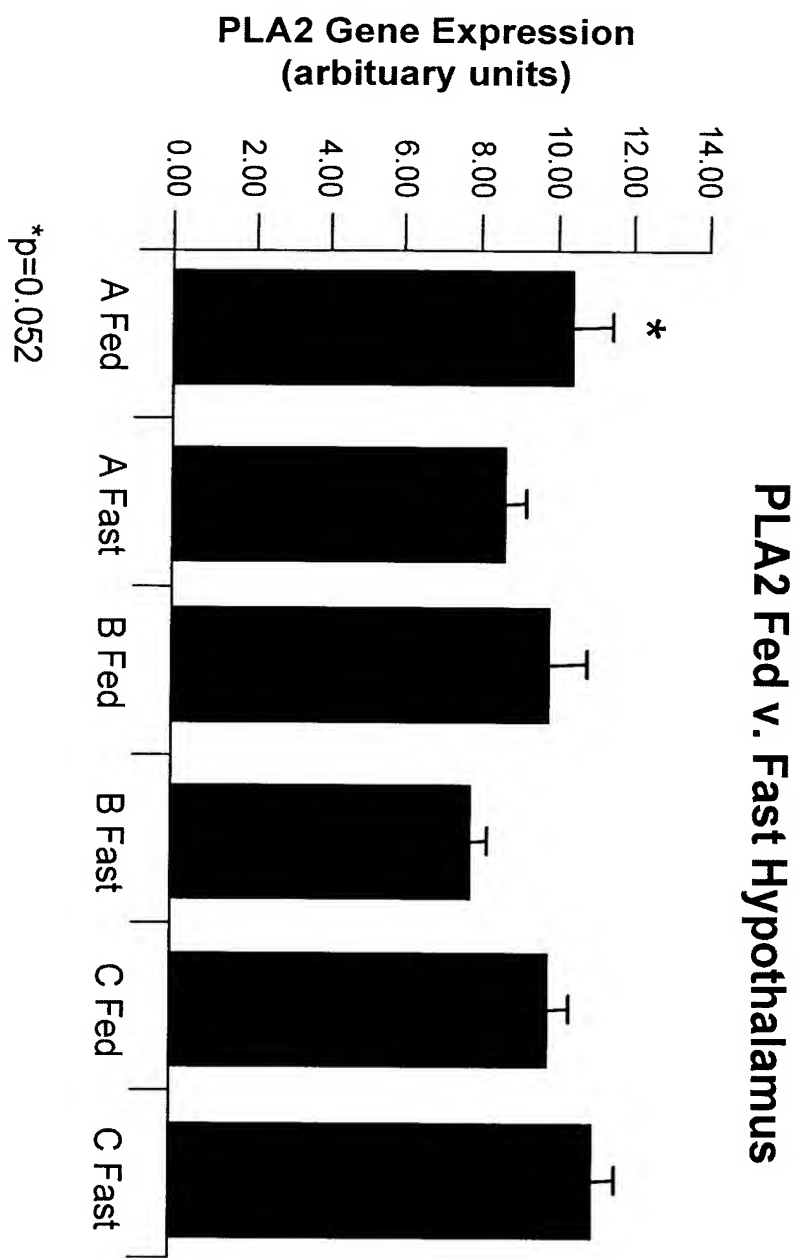


FIGURE 4B

PLA2 v BW (Fasted animals)

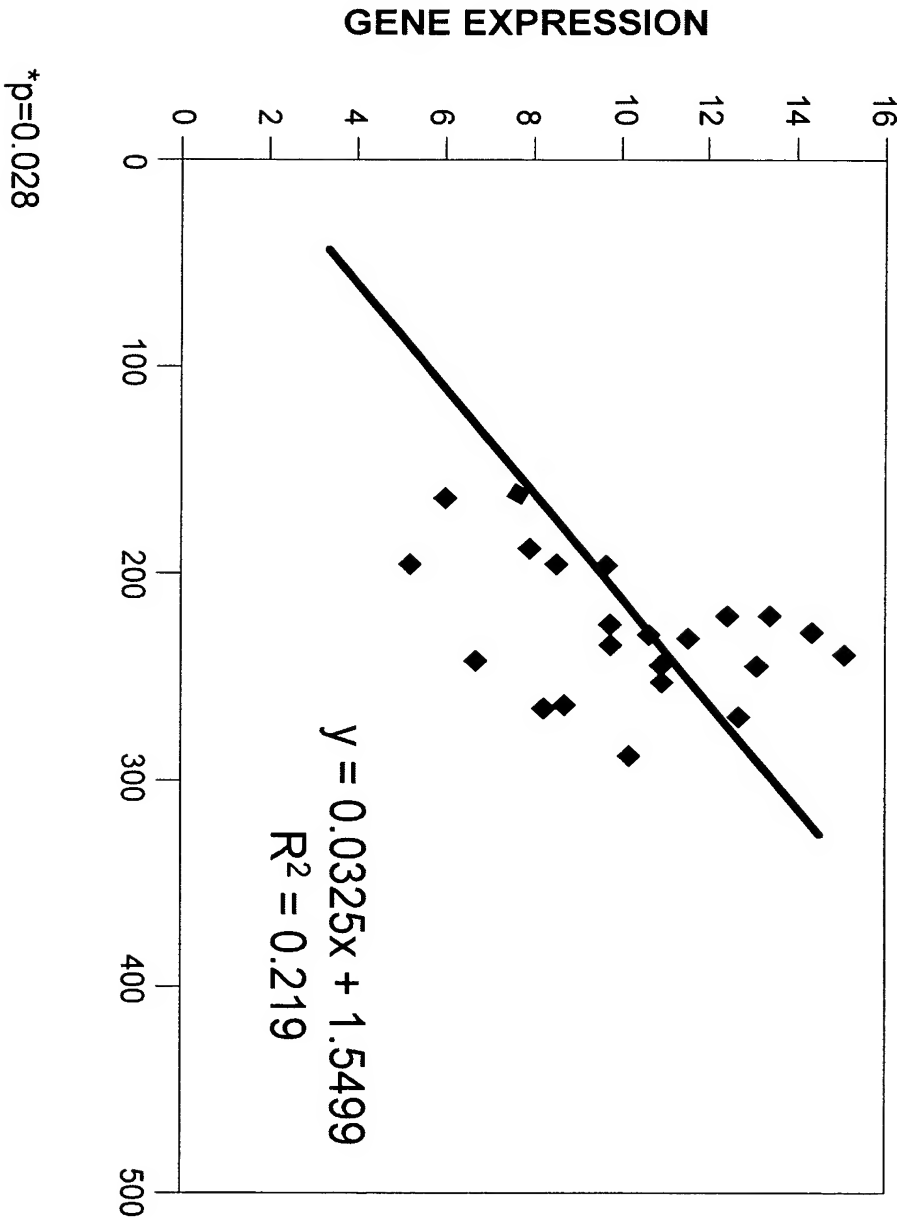


FIGURE 4C

PLA2 v Insulin (Fasted animals)

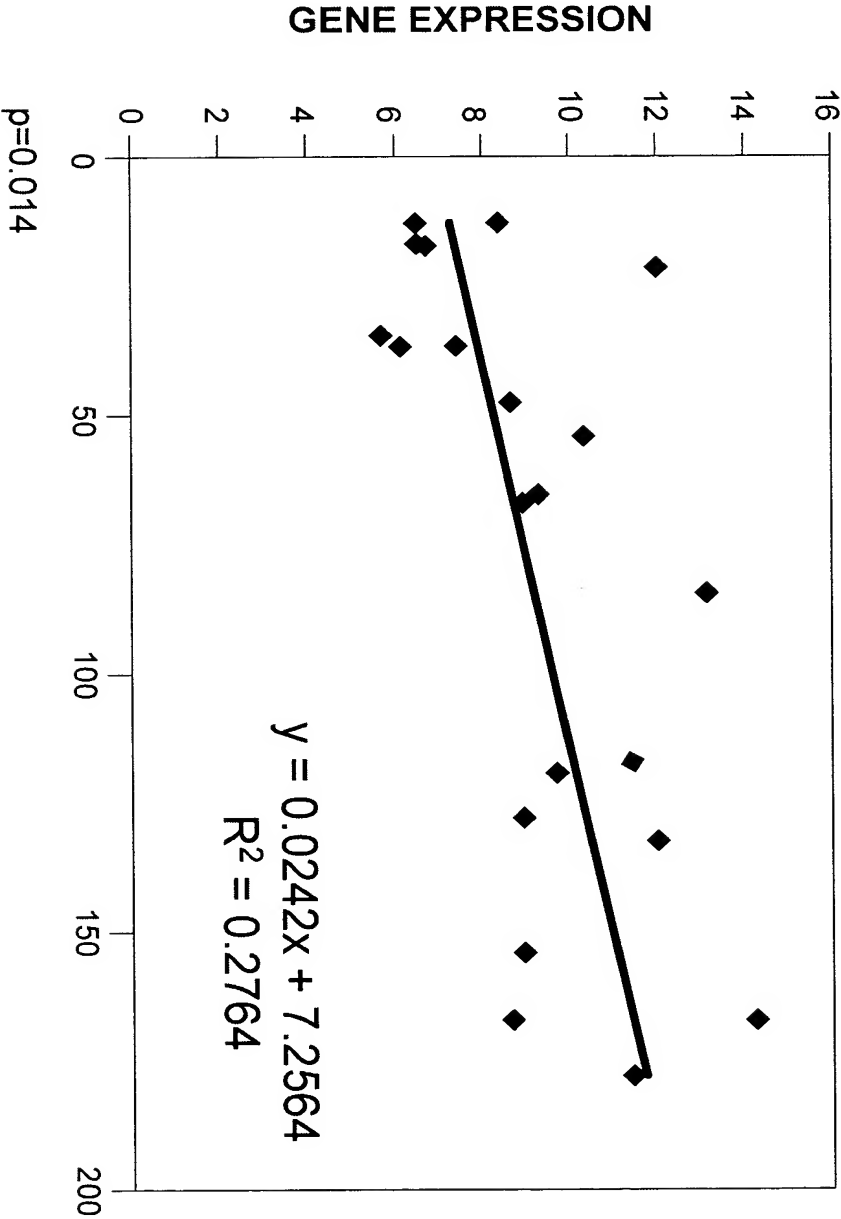


FIGURE 4D

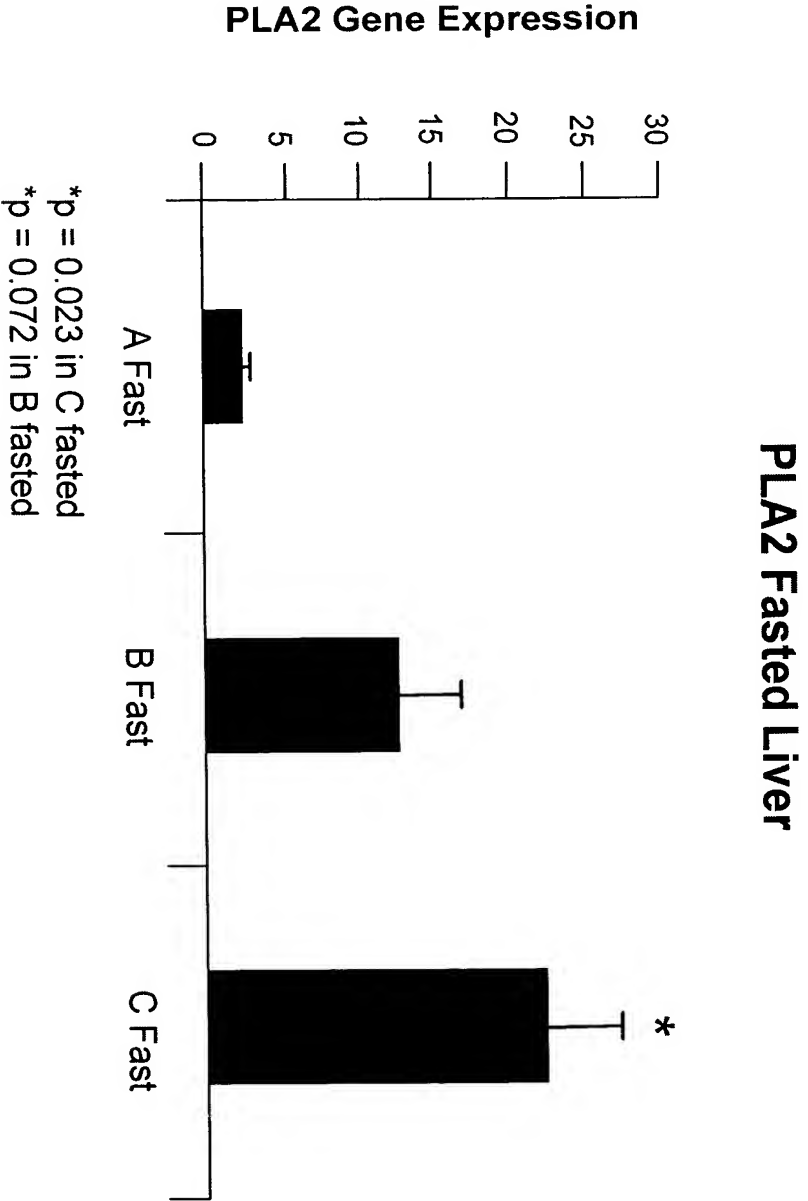


FIGURE 4E

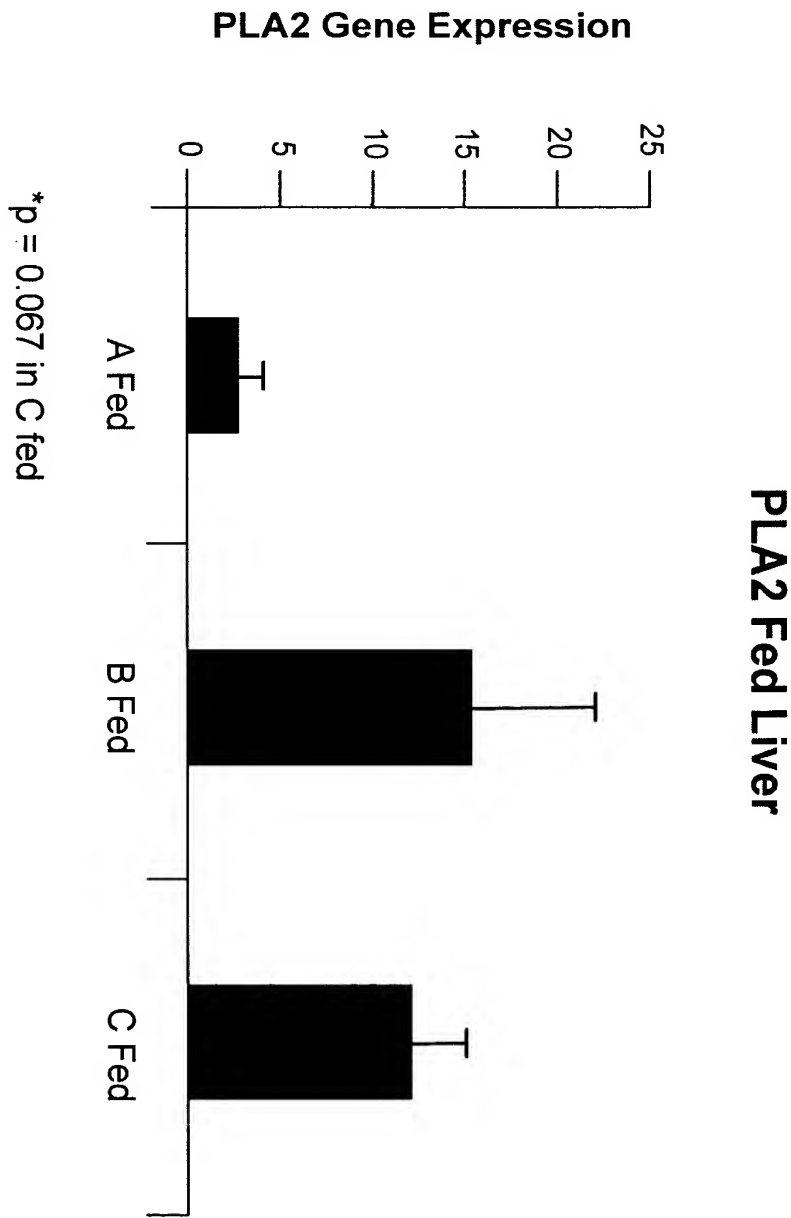


FIGURE 4F

PLA2 v Weight - Fasted animals

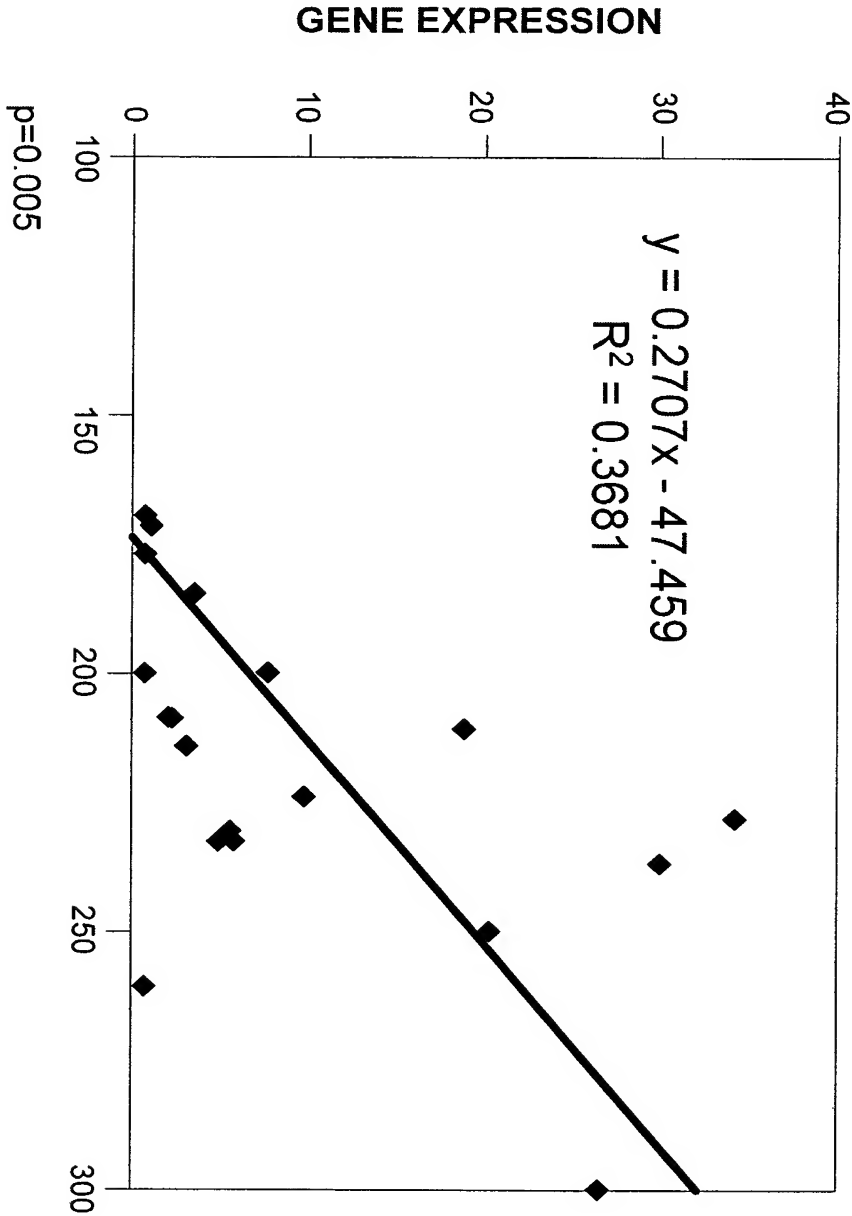


FIGURE 4G

Gene Expression

$y = 0.0868x + 3.0103$
 $R^2 = 0.2709$

$p < 0.02$
 $p = 0.013$

FIGURE 411

PLA2 v Insulin Fasted Animals

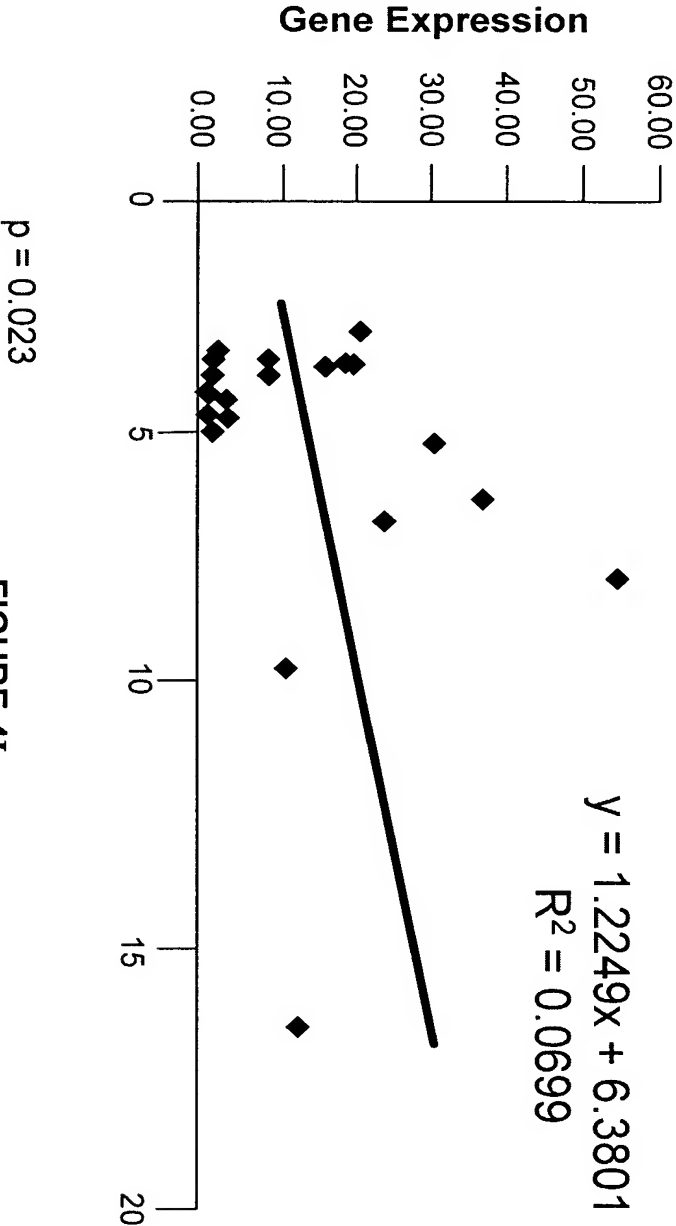


FIGURE 4I

PLA2 v Weight - Fed Animals

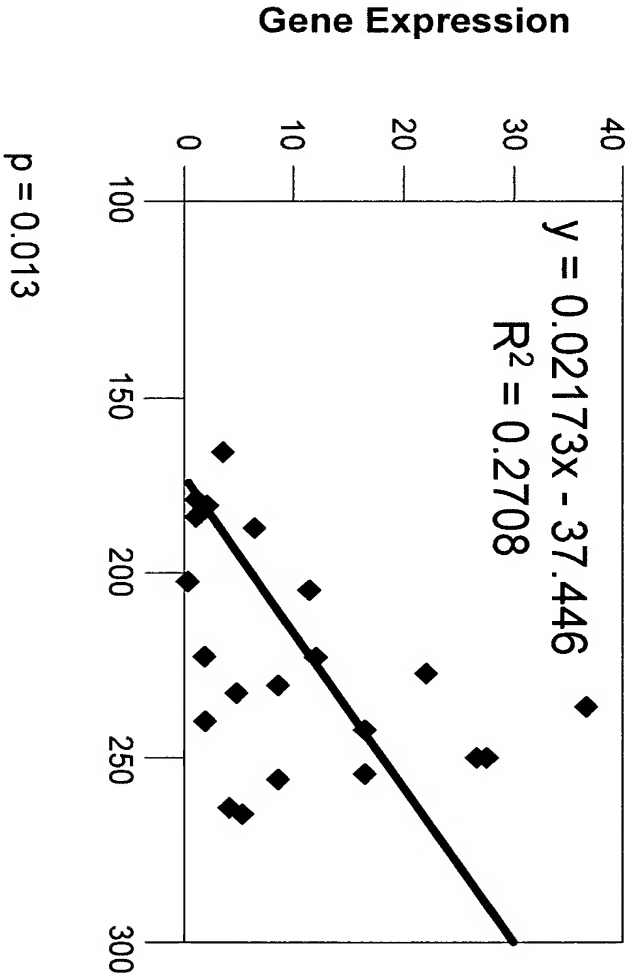


FIGURE 4J

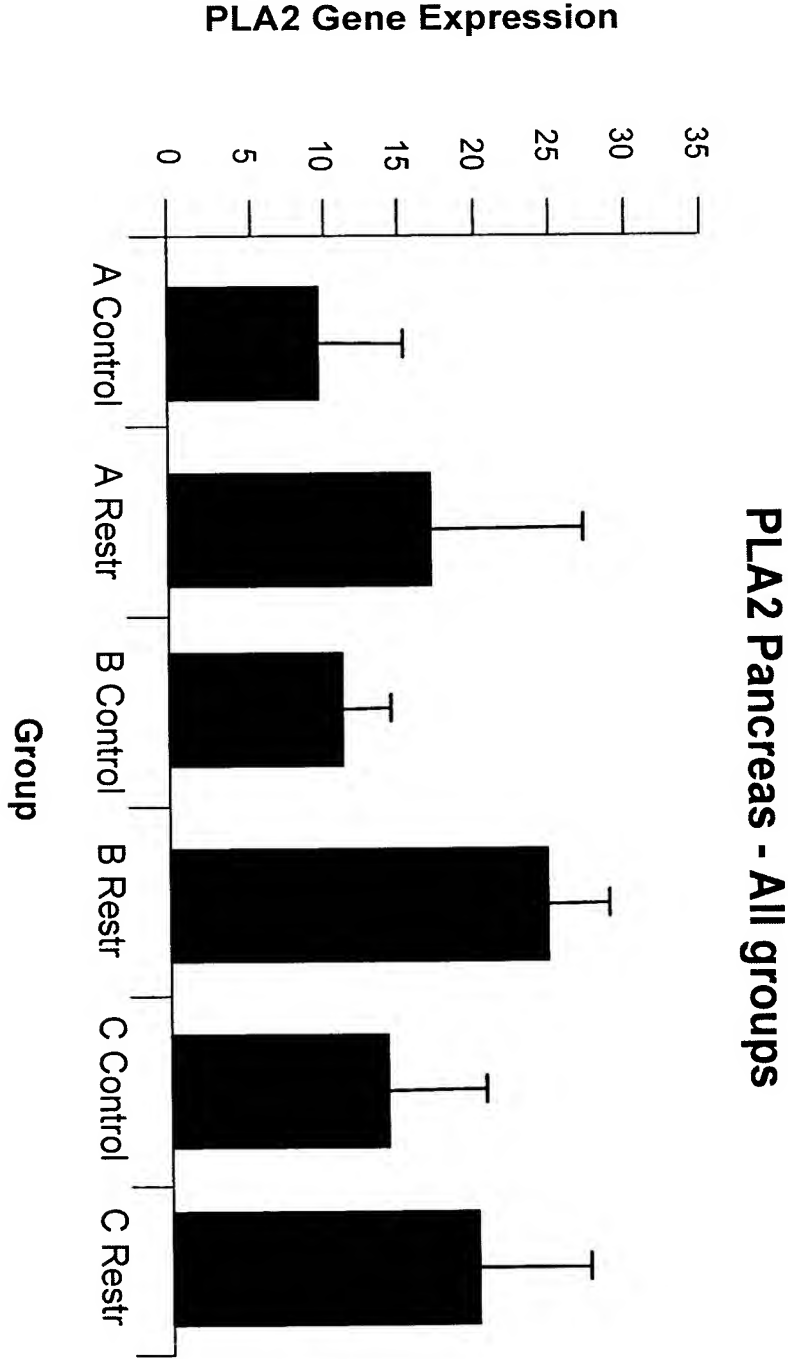


FIGURE 4K

PLA2 Fed v. Fasted Scapular Fat

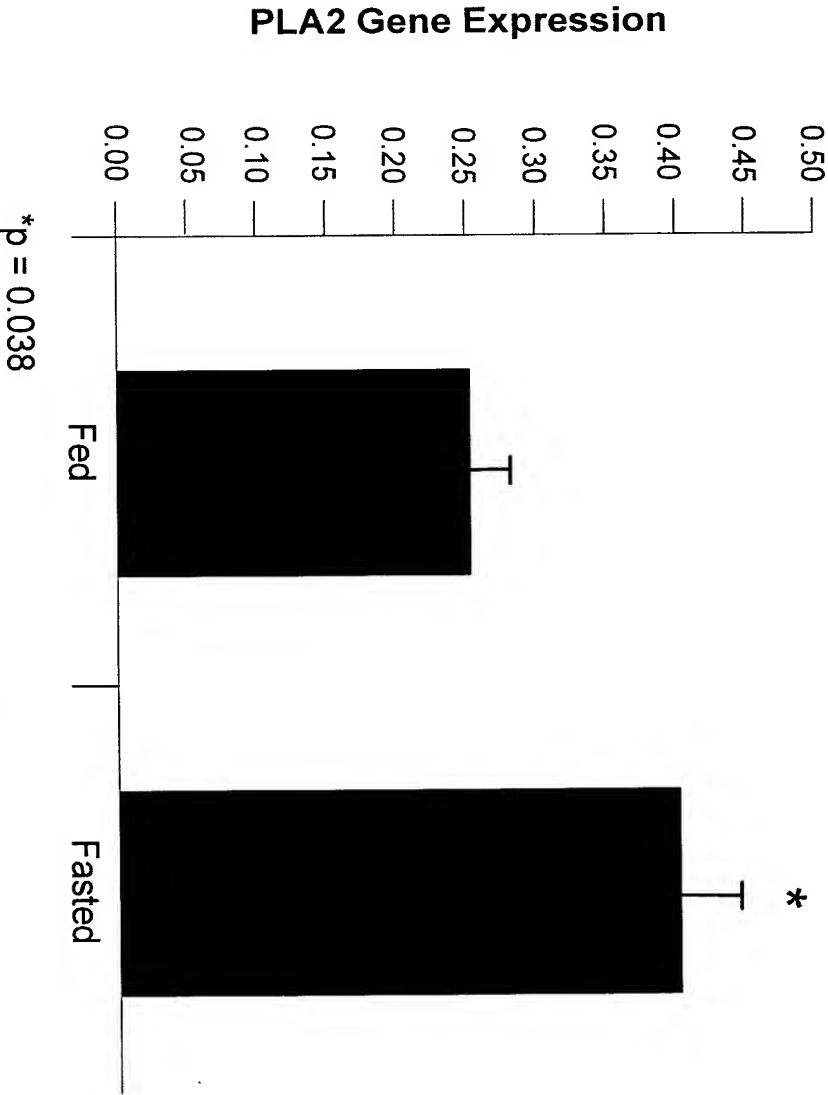


FIGURE 4L

Human	TGGTCATCTCAGTTTCTTTTCTCACCTTGACTGCAAGATGAAACTCCTTGTGCTAGCTGT	60
Mouse	-----CTCCCTCACTCCTTCTGAAGATGAAACTCCTTCTGCTGGCTGC	44
Rat	-----CCCTCGCCAAGATGAAACTCCTTCTGCTGGCTGC	34
Psammomys	-----	
Human	GCTGCTCACAGTGGCCGCCGCCGACAGCGGCATCAGCCCTCGGGCCGTGTGGCAGTTCCG	120
Mouse	TCTGCTCACAGCAGGCGCTGCTGCACACAGCATCAGCCCTCGGGCTGTGTGGCAGTTCCG	104
Rat	TTTGCTCACAGCAGGCGTTACTGCACACAGCATCAGCACTCGGGCTGTGTGGCAGTTCCG	94
Psammomys	-----TGTTCCG	7

Human	CAAAATGATCAAGTGCGTGATCCCGGGGAGTGACCCCTTCTTGGAATACAACAACACTACGG	180
Mouse	CAATATGATCAAGTGCACCATCCCCGGGAGTGATCCCCTGAAGGATTACAACAACACTATGG	164
Rat	CAATATGATCAAGTGCACCATCCCCGGGAGTGATCCCCTGAGGGAGTACAACAACACTACGG	154
Psammomys	CAATATGATCAAGTGCGCCATCCCCGGAAGTAAGCCCCTGAAGGAGTACAACAACACTACGG	67
	*** ***** *	
Human	CTGCTACTGTGGCTTGGGGGGCTCAGGCACCCCGTGGATGAACTGGACAAGTGCTGCCA	240
Mouse	CTGCTACTGTGGCTTGGGCGGCTGGGGCACCCAGTGGACGACTTAGACAGGTGCTGCCA	224
Rat	CTGCTACTGTGGCTTGGGCGGCTCAGGCACCCAGTGGACGACTTAGACAGGTGCTGCCA	214
Psammomys	CTGCTACTGCGGCCTGGGCGGCGCAGGCACCCAGTGGACGAATTAGACAGGTGCTGCCA	127
	***** *	
Human	GACACATGACAACTGCTATGACCAGGCCAAGAAGCTGGACAGCTGTAAATTTCTGCTGGA	300
Mouse	GACTCATGACCACTGCTACAGTCAGGCCAAGAAGCTGGAAAGCTGTAAATTCCTCATAGA	284
Rat	GACTCATGACCACTGCTACAATCAGGCCAAGAAGCTGGAAAGCTGTAAATTCCTCATCGA	274
Psammomys	GATCCATGACAATTGCTACACTAAGGCCAAGAGGCTGAAAAGCTGTAAATCCCTCTGGA	187
	** ***** *	
Human	CAACCCGTACACCCACACCTATTCTACTCGTGCTCTGGCTCGGCAATCACCTGTAGCAG	360
Mouse	CAACCCCTACACCAACACTTACTCCTACTCATGCTCCGGGAGCGAGATCACCTGCAGCGC	344
Rat	CAACCCCTACACCAACACGTACTCATAAAGTGCTCCGGGAACGTGATCACCTGCAGCGA	334
Psammomys	CAACCCCTACACCCACTCATACTCGTACAAGTGCTCCGGGAATGAGATCATCTGTAGTGA	247
	***** ***** *	
Human	CAAAAACAAGAGTGCTGAGGCCTTCATTTGCAACTGCGACCGCAACGCTGCCATCTGCTT	420
Mouse	CAAAAACAACAAATGCGAGGACTTCATCTGCAACTGTGACCGTGAGGCCGCCATCTGCTT	404
Rat	CAAAAACAACGACTGTGAGAGCTTCATCTGCAACTGTGACCGGCGAGGCCGCCATCTGTTT	394
Psammomys	CAAAAACAAGGAATGCGAGGCNTTCATCTGCAACTGTGACCG-----	289
	***** *	
Human	TTCAAAAGCTCCATATAACAAGGCACACAAGAACCTGGACACCAAGAAAGTATTGTCAGAG	480
Mouse	CTCCAAGGTCCCGTACAACAAGGAATACAAAACCTTGACACCGGGAAATTCGTTAGCC	464
Rat	CTCCAAGGTCCCTACAACAAGGAATACAAAGACCTTGACACCAAGAAACACTGTTAGGC	454
Psammomys	-----	
Human	TTGAATATCACCTCTCAAAGCATCACCTCTAT-----CTGCCTCATCTC-ACACTG	531
Mouse	TGTCACCTCACTTCCTGCCCACGCCGACCCCGCCACCTTGCTGTCTTATTTT-ACCCTG	523
Rat	TGTCACCCCACTTCCTGTCTATGCCGTCCCGCTCCCTTGCTGTCTTATTTCTGCACCG	514
Psammomys	-----	
Human	TACTCTCCAATAAAGCACCTTGTTGAAAGAA	562
Mouse	CGCCCTCTAATAAAGTACCT-GCTGTCAGA-	552
Rat	CACCTCTAATAAAGTACCA-GCAGAAAG--	542
Psammomys	-----	

FIGURE 5A

Human	MKLLVLAVLLTVAAADSGISPRAVWQFRKMIKCVIPGSDPFLEYNNYGCYCGLGGSGTPV	60
Mouse	MKLLLLLAALLTAGAAAHISPRAVWQFRNMIKCTIPGSDPLKDYNNGCYCGLGGWGPV	60
Rat	MKLLLLLAALLTAGVTAHSISTRVWQFRNMIKCTIPGSDPLREYNNYGCYCGLGGSGTPV	60
Psammomys	MKLLLLLAALLTAGVGAHSISTRVWQFGNMIKCAIPGSKPLKEYNNYGCYCGLGGAGTPV	60
	****:*.***... **.*.***.***.***.*: :***** ****	
Human	DELDKCCQTHDNCYDQAKKLDSCFLLDNPYHTYSSYSCSGSAITCSSKNKECEAFICNC	120
Mouse	DDLDRCCQTHDHCYSQAKKLESCKFLIDNPYTNTYSYSCSGSEITCSAKNNKCEDFICNC	120
Rat	DDLDRCCQTHDHCYNQAKKLESCKFLIDNPYTNTYSYKCSGNVITCSKNNDCESFICNC	120
Psammomys	DELDRCQIHDNCYTKAKRLKSKSLDNPYTHSYKCSGNEIICSCKNKECEAFICNC	120
	*:***:*** **:* :*:*.*** *:***:*.***. * ** *:*.***	
Human	DRNAAICFSKAPYNKAHKNLDTKKYCQS	148
Mouse	DREAAICFSKVPYNKEYKNLDTGKFC--	146
Rat	DRQAAICFSKVPYNKEYKDLDTKKHC--	146
Psammomys	DRAAAICFSKAPYNKQDKNLNTKKNC--	146
	** *****.*.*** *.*:*: *	

FIGURE 5B